

## CLAIMS

What is claimed is:

- 1 1. Integrated communication and power system, comprising:  
2 at least one first transformer located on shore, at least one second  
3 transformer located offshore, conductors connecting the first  
4 transformer with the second transformer, said conductors  
5 conducting electric power and communication signals, characterized  
6 in at least four conductors of which at least three conduct electric  
7 power, at least one of said conductors being galvanically insulated  
8 from at least one of the other conductors, the communication signals  
9 being conducted in two galvanically insulated conductors.
- 10
- 1 2. System according to claim 1, characterized in that the conductors  
2 form at least two pairs in a double single phase (quad) arrangement.
- 3
- 1 3. System according to claim 1, characterized in that the conductors  
2 form a three phase arrangement plus a single conductor.
- 3